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**From:** Mason, Steve  
**Sent:** Wednesday, October 11, 2017 8:41 PM  
**To:** Smith, Monica  
**Cc:** Carroll, Craig; Foster, Althea  
**Subject:** RE: Air & Waste Management - Louisiana Section Annual Conference due 10/16  
**Attachments:** Hurricane Harvey AWWA Presentation 10-11-2017.pptx

Here is the first draft, based on what you provided below... I added a few other slides that I think will help tell the story a little better... let me know what you think...

*With Regards, Steve*



Stephen Mason  
EPA Region 6 (6SF-PE)  
1445 Ross Avenue, Dallas, TX 75202  
214-665-2276  
[mason.steve@epa.gov](mailto:mason.steve@epa.gov)

"Frequently, my thoughts get bored and walk down to my mouth. Often, this is a bad thing."

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**From:** Smith, Monica  
**Sent:** Tuesday, October 10, 2017 3:14 PM  
**To:** Mason, Steve  
**Cc:** Carroll, Craig ; Foster, Althea  
**Subject:** Re: Air & Waste Management - Louisiana Section Annual Conference due 10/16

What carl wants in the presentation-

Slide 1- track of hurrican Harvey

Slide 2- map showing Corpus Christi, Houston and port Arthur ( show diff in rain vs flooding

Slide 3- arkema ( get slide from althea or susan)

Slide 4- Dw/Ww

Slide 5- debris - what we did with tceq ( landfill observer at landfill and staging areas )

slide 6- community liaisons - assistance given to

Sent from my iPhone

On Oct 10, 2017, at 12:12 PM, Mason, Steve <[mason.steve@epa.gov](mailto:mason.steve@epa.gov)> wrote:

Will be happy to

Sent from my iPhone

On Oct 10, 2017, at 11:02 AM, Smith, Monica <[smith.monica@epa.gov](mailto:smith.monica@epa.gov)> wrote:

Can you help with this?

Sent from my iPhone

Begin forwarded message:

**From:** "Carroll, Craig" <[Carroll.Craig@epa.gov](mailto:Carroll.Craig@epa.gov)>

**Date:** October 5, 2017 at 9:11:21 AM CDT

**To:** "Crossland, Ronnie" <[Crossland.Ronnie@epa.gov](mailto:Crossland.Ronnie@epa.gov)>  
**Cc:** "Smith, Monica" <[smith.monica@epa.gov](mailto:smith.monica@epa.gov)>  
**Subject:** RE: Air & Waste Management - Louisiana Section Annual Conference

Agree

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**From:** Crossland, Ronnie  
**Sent:** Thursday, October 05, 2017 6:06 AM  
**To:** Carroll, Craig <[Carroll.Craig@epa.gov](mailto:Carroll.Craig@epa.gov)>  
**Cc:** Smith, Monica <[smith.monica@epa.gov](mailto:smith.monica@epa.gov)>  
**Subject:** Re: Air & Waste Management - Louisiana Section Annual Conference

It will be interesting to see what is pulled together since my sense is that there weren't big environmental issues. To me, the important stuff is resiliency of drink water and waste water systems.

Sent from my iPhone

On Oct 4, 2017, at 11:08 PM, Carroll, Craig <[Carroll.Craig@epa.gov](mailto:Carroll.Craig@epa.gov)> wrote:

Monica, please have Steve and Eric draft a presentation for Carl to use. See details below. Thanks!

Sent from my iPhone

Begin forwarded message:

**From:** "Edlund, Carl"  
<[Edlund.Carl@epa.gov](mailto:Edlund.Carl@epa.gov)>  
**Date:** October 4, 2017 at 4:06:00 PM CDT  
**To:** "Carroll, Craig" <[Carroll.Craig@epa.gov](mailto:Carroll.Craig@epa.gov)>, "Smith, Monica" <[smith.monica@epa.gov](mailto:smith.monica@epa.gov)>, "Smalley, Bryant" <[smalley.bryant@epa.gov](mailto:smalley.bryant@epa.gov)>, "Webster, Susan" <[webster.susan@epa.gov](mailto:webster.susan@epa.gov)>  
**Cc:** "Phillips, Pam" <[phillips.pam@epa.gov](mailto:phillips.pam@epa.gov)>  
**Subject:** Fwd: Air & Waste Management - Louisiana Section Annual Conference

So....in your spare time, do you think we could put together a presentation? Maybe pulled off the storyboard combined with ideas from the Organizational Assessment.

Sent from my iPad

Begin forwarded message:

**From:** "Gray, David"  
<[gray.david@epa.gov](mailto:gray.david@epa.gov)>  
**Date:** October 4, 2017  
at 4:49:06 PM EDT  
**To:** "Edlund, Carl"  
<[Edlund.Carl@epa.gov](mailto:Edlund.Carl@epa.gov)>  
, "Wang, Jonathan"  
<[Wang.Jonathan@epa.gov](mailto:Wang.Jonathan@epa.gov)>  
**Subject:** RE: Air &  
Waste Management -  
Louisiana Section  
Annual Conference

Terrific – Jonathan will  
confirm you.

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**From:** Edlund, Carl  
**Sent:** Wednesday,  
October 04, 2017 2:42  
PM  
**To:** Gray, David  
<[gray.david@epa.gov](mailto:gray.david@epa.gov)>  
**Subject:** RE: Air &  
Waste Management -  
Louisiana Section  
Annual Conference

Sure...I'd be  
honored. I think we  
have a good story  
to tell.

---

**From:** Gray, David  
**Sent:** Wednesday,  
October 04, 2017 2:09  
PM  
**To:** Edlund, Carl  
<[Edlund.Carl@epa.gov](mailto:Edlund.Carl@epa.gov)>  
**Subject:** Fwd: Air &  
Waste Management -  
Louisiana Section  
Annual Conference

Carl,

Would you be  
interested?

David

Sent from my iPhone

Begin forwarded  
message:

**From:**

"Kelly  
Phillips  
"

[<Kelly.Phillips@LA.GOV>](mailto:Kelly.Phillips@LA.GOV)

>

**To:**

"Gray,  
David"

[<gray.david@epa.gov>](mailto:gray.david@epa.gov)

**Subject**

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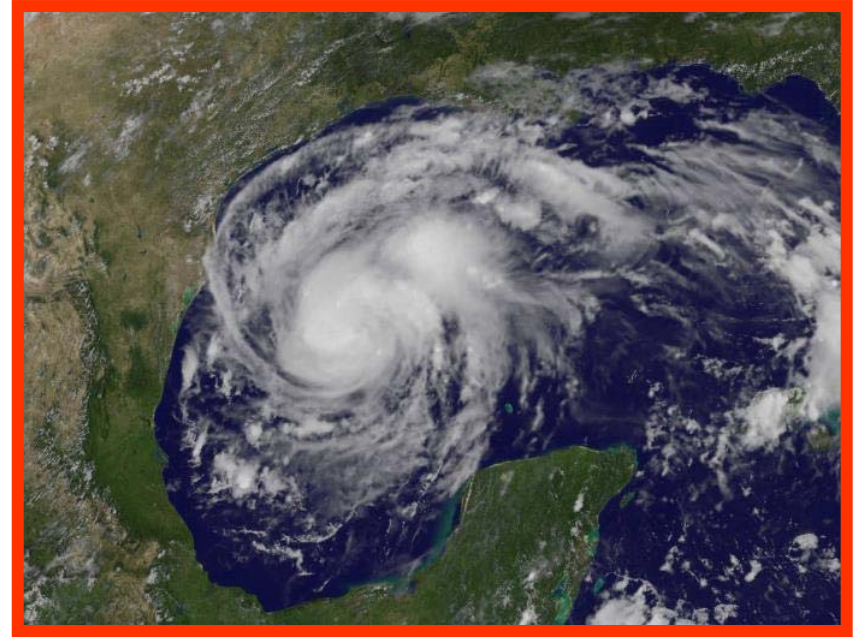
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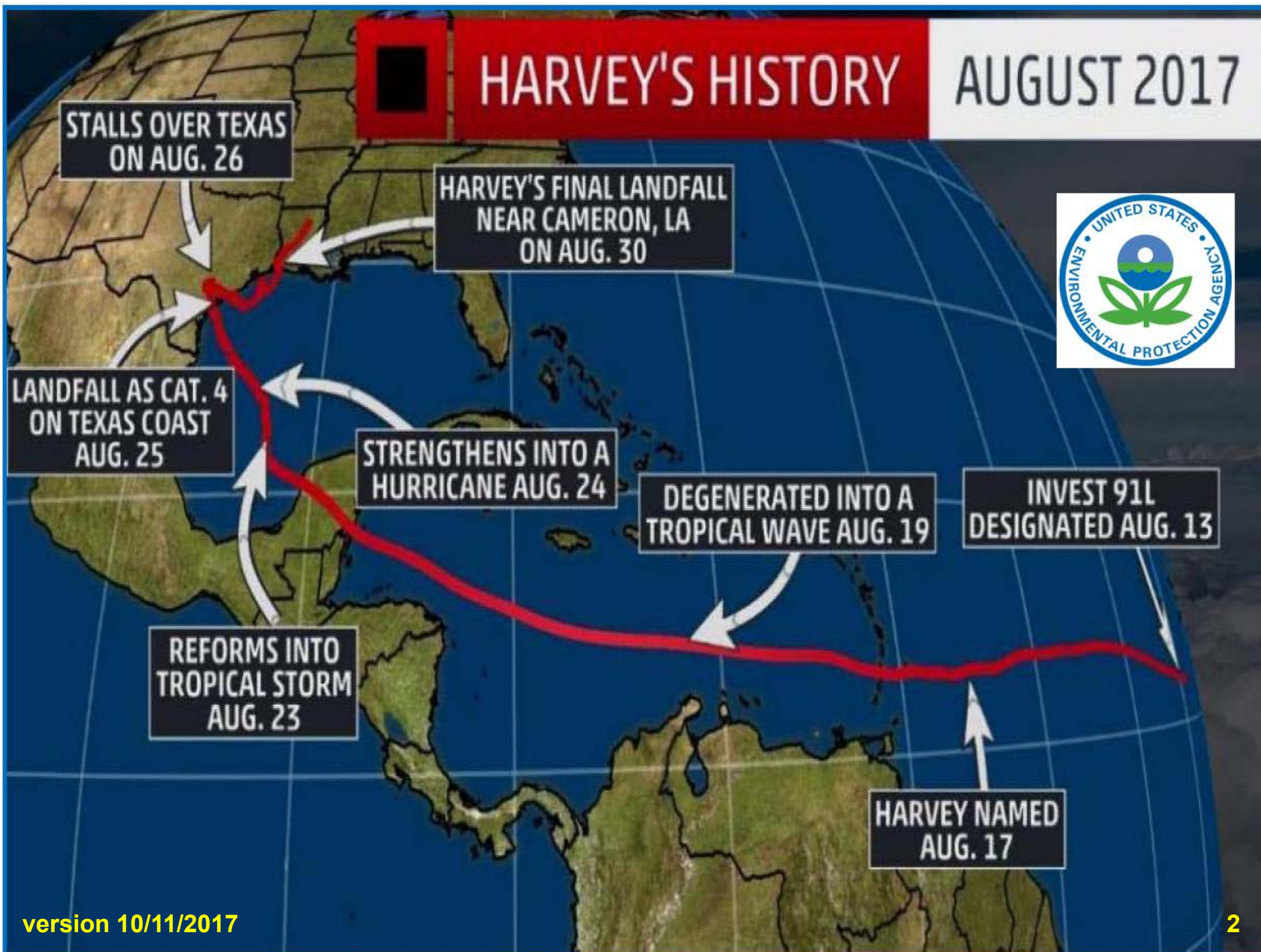


# EPA Response to Hurricane Harvey

Carl Edlund  
Director, Superfund Division  
Region 6

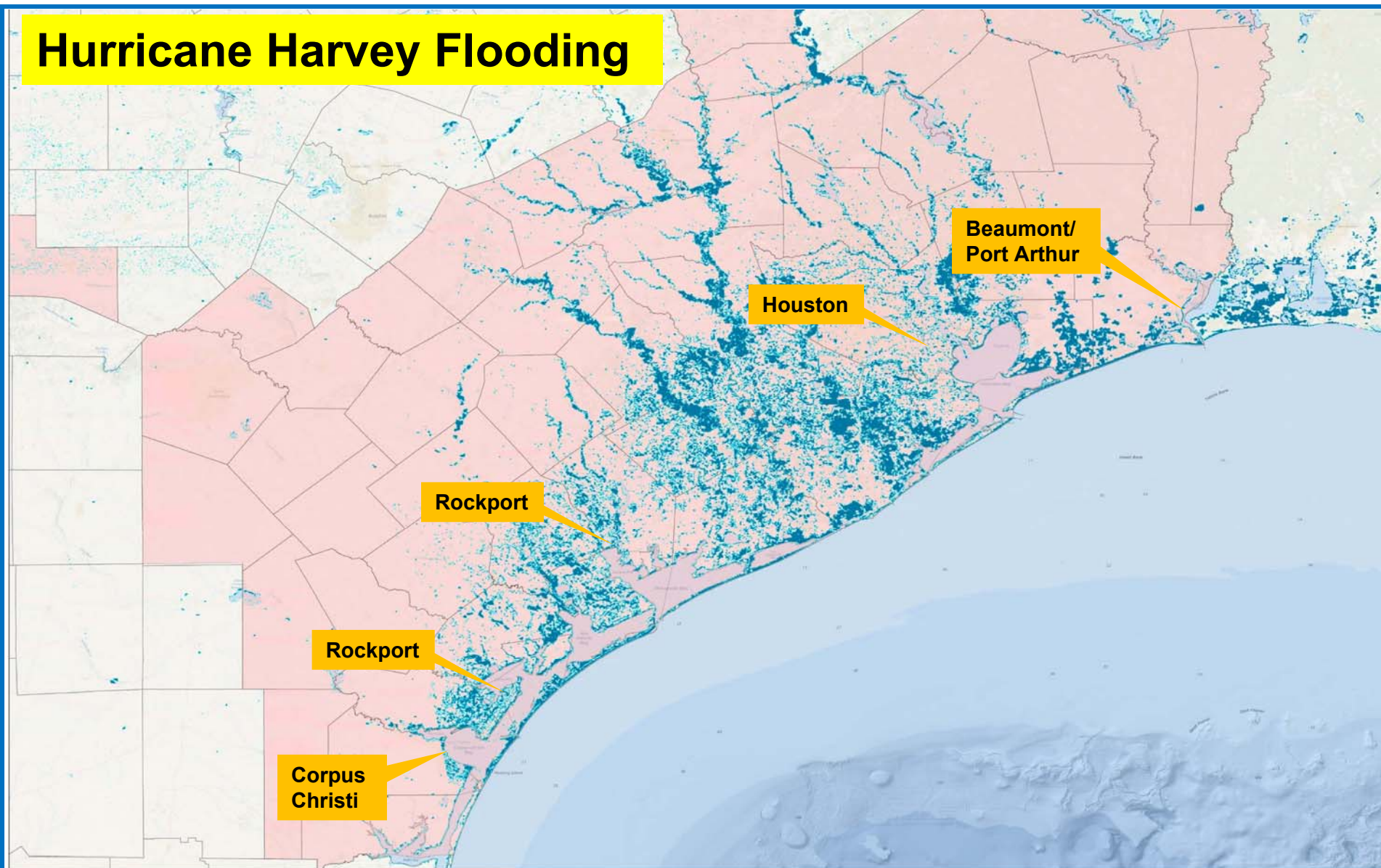
# HARVEY'S HISTORY

AUGUST 2017





# Hurricane Harvey Flooding



## Legend

- Inundation Boundary Extent
- State Declared Counties

## US EPA Region 6 Hurricane Harvey Response Flood Area Map in Hurricane Harvey Declared Areas



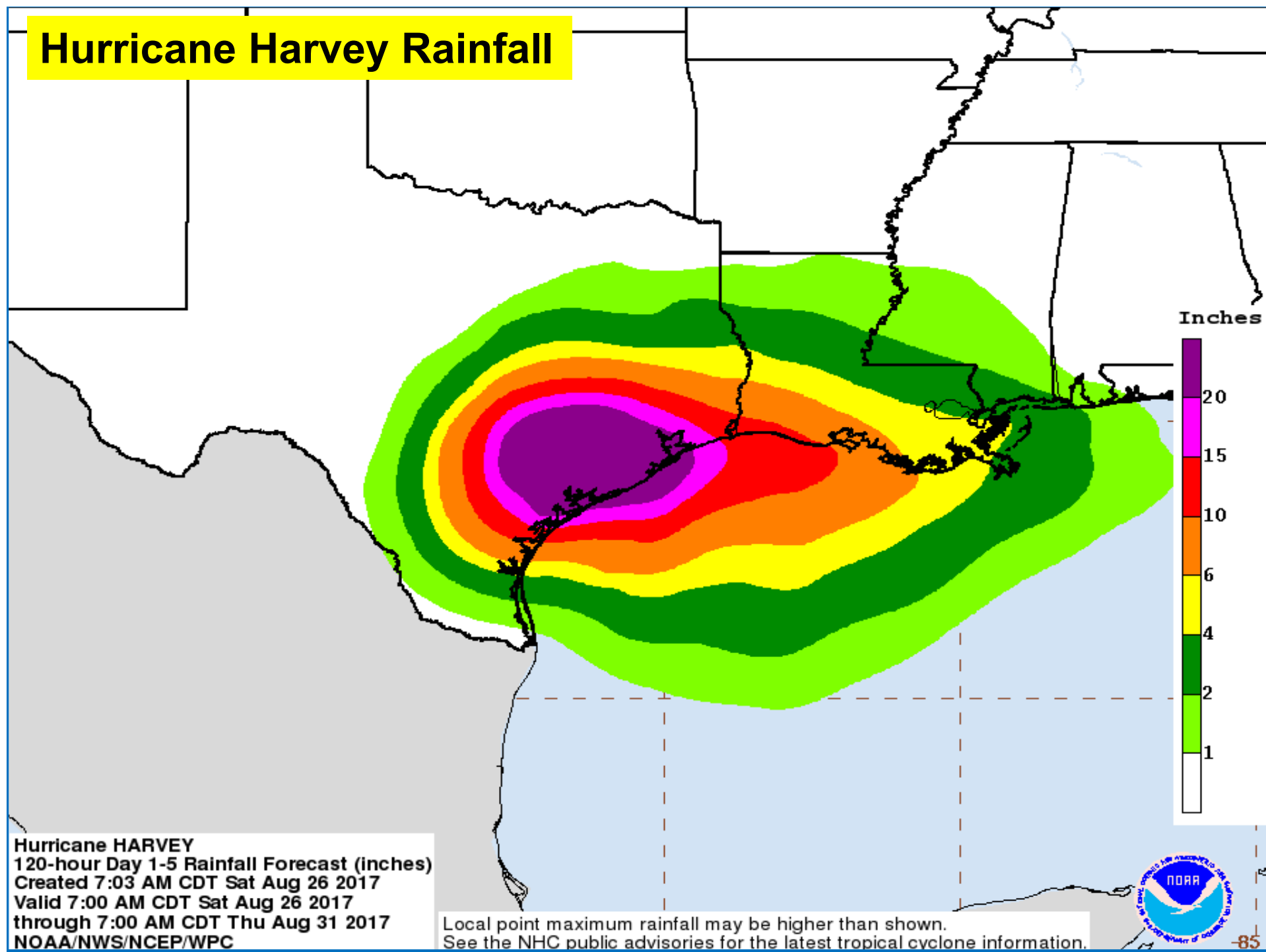
For Official Use Only  
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EPA GIS

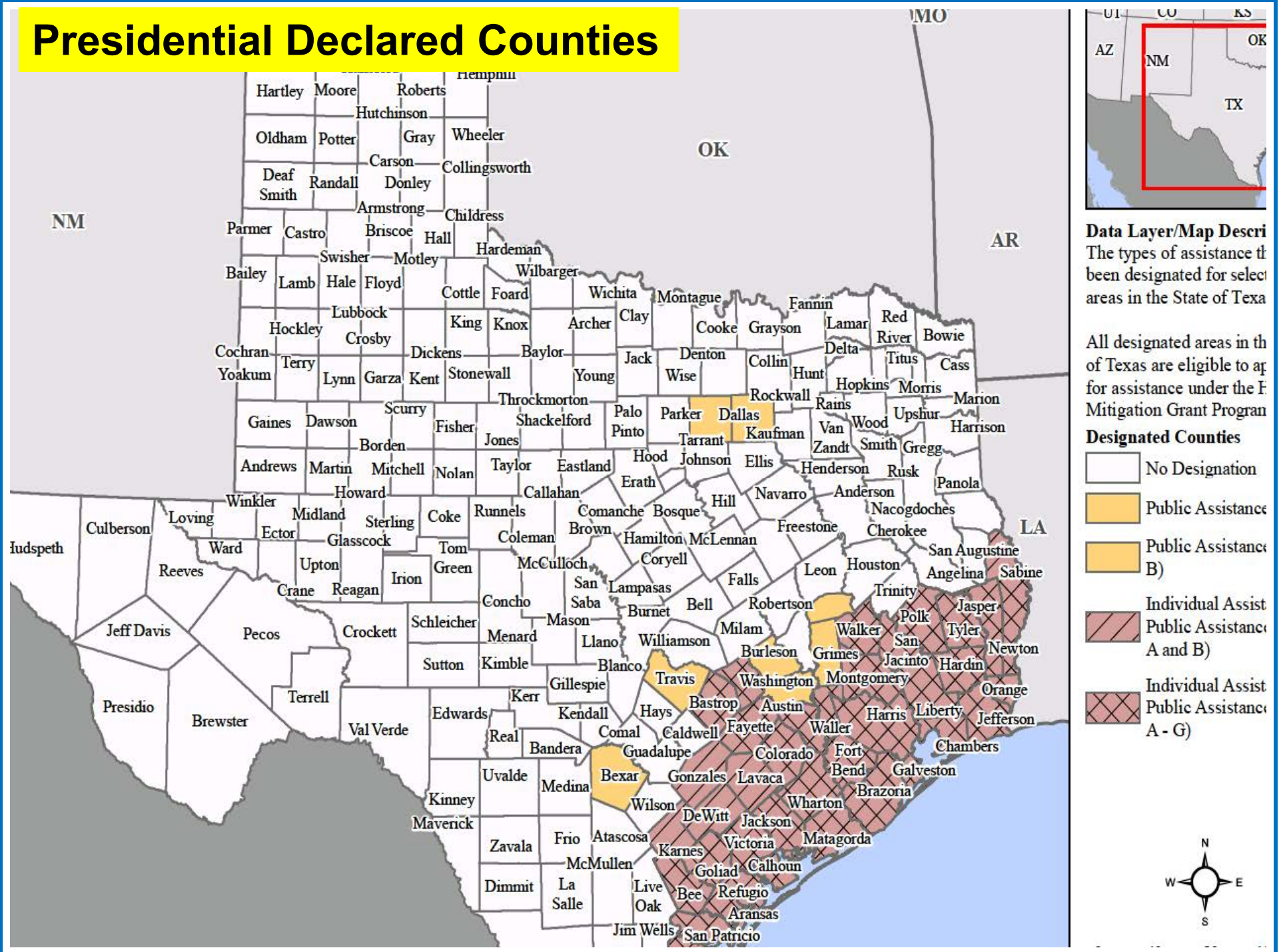
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# Hurricane Harvey Rainfall





# Presidential Declared Counties







## **National Incident Management Objectives**

Objective 1: Ensure that health and safety of the EPA response is considered at all times.

Objective 2: Establish an incident management structure and processes employing the Incident Command System to enable effective overall management of the event with deployment of resources (staff and equipment) in a rapid, aggressive and well-coordinated manner.

Objective 3: Ensure prompt Review and Processing of Fuel Waiver requests.

Objective 4: Prepare for and provide Rapid Assessment of Industrial facilities as requested by the State or under EPA's statutory program responsibilities for CERCLA Superfund, RMP and FRP facilities. Working with our state partners, contact industrial sources within the impacted area to determine their operational status and determine what support can be provided with the monitoring of the start-up of industrial sources.

Objective 5: Prepare for and provide Rapid Assessment & Technical Assistance Drinking Water & Wastewater facilities as requested by the State or local government. EPA will support our state partners in contacting drinking water and waste water systems.

Objective 6: Prepare a Sustained Response Plan that outlines the resource and equipment needs for a long duration response.

Objective 7: Activate the Agency's Crisis Communication Plan to insure effective and efficient coordination of all incident communications.

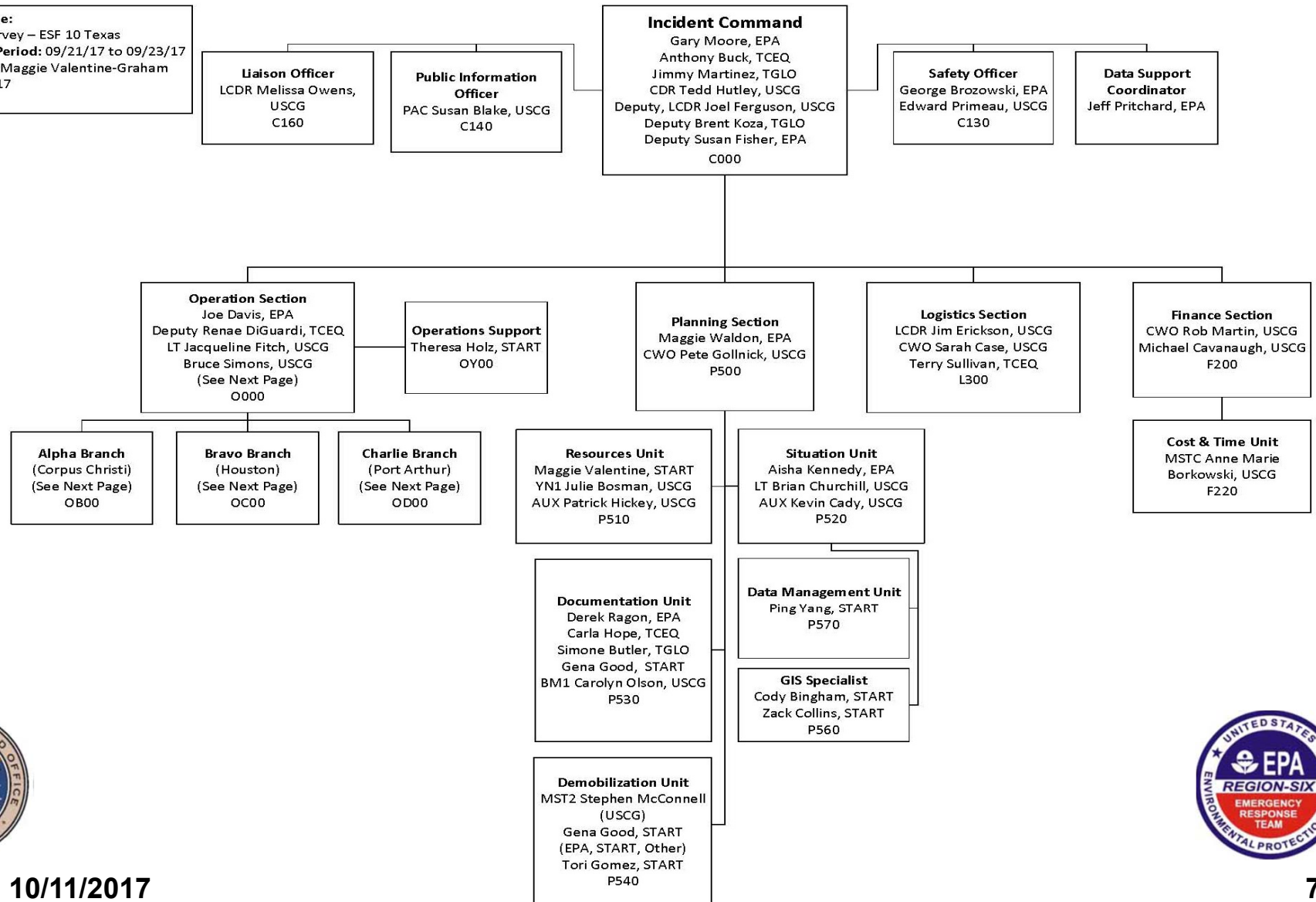
Objective 8: Encourage a collaborative federalism approach, where national, state and local governments interact cooperatively and collectively to solve common problems.



# ESF-10 Unified Command Organization Chart



**Incident Name:**  
Hurricane Harvey – ESF 10 Texas  
**Operational Period:** 09/21/17 to 09/23/17  
**Prepared by:** Maggie Valentine-Graham  
**Date:** 09/20/17  
**Time:** 1800



version 10/11/2017





**Arkema Chemical Facility, Crosby, TX**

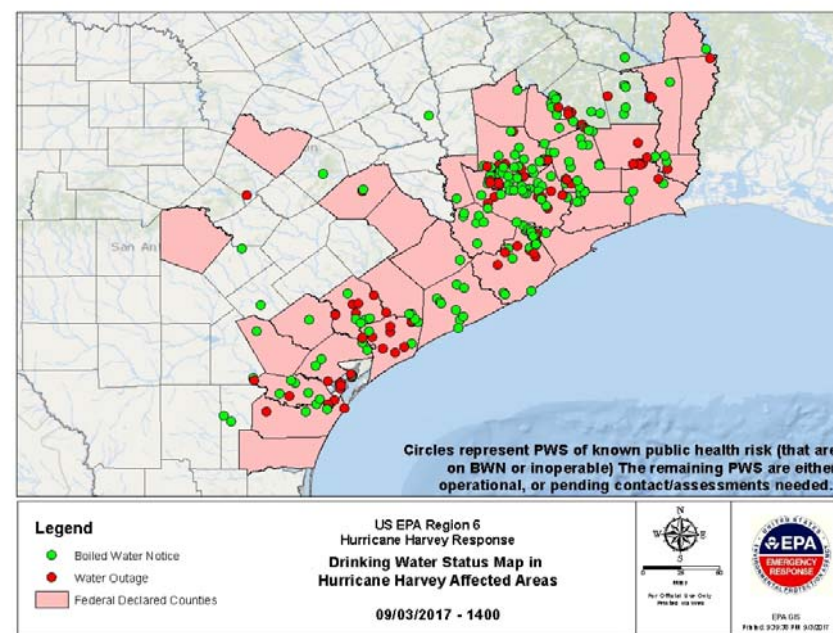
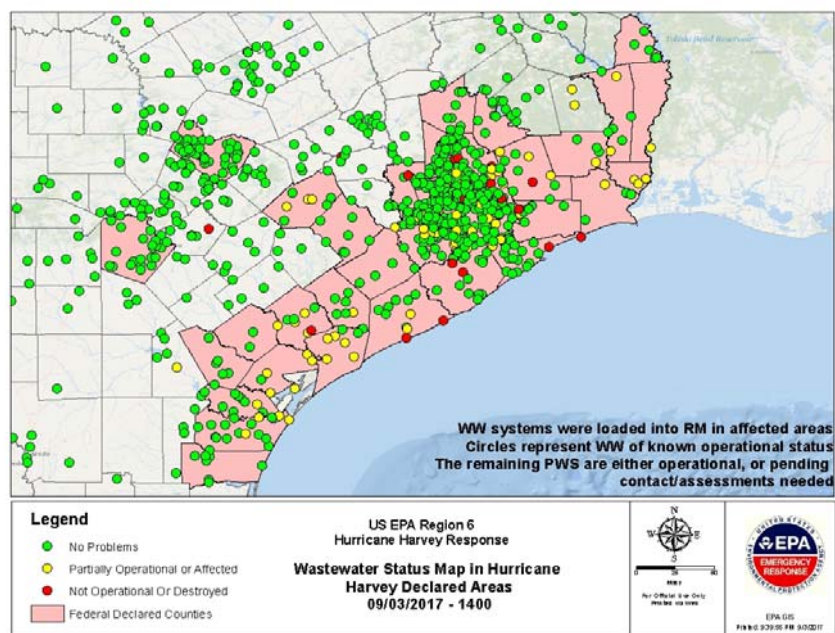
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# Drinking Water / Waste Water Assessments



Water Assessment Team –  
Houston Area Branch





# Orphaned Container Recovery

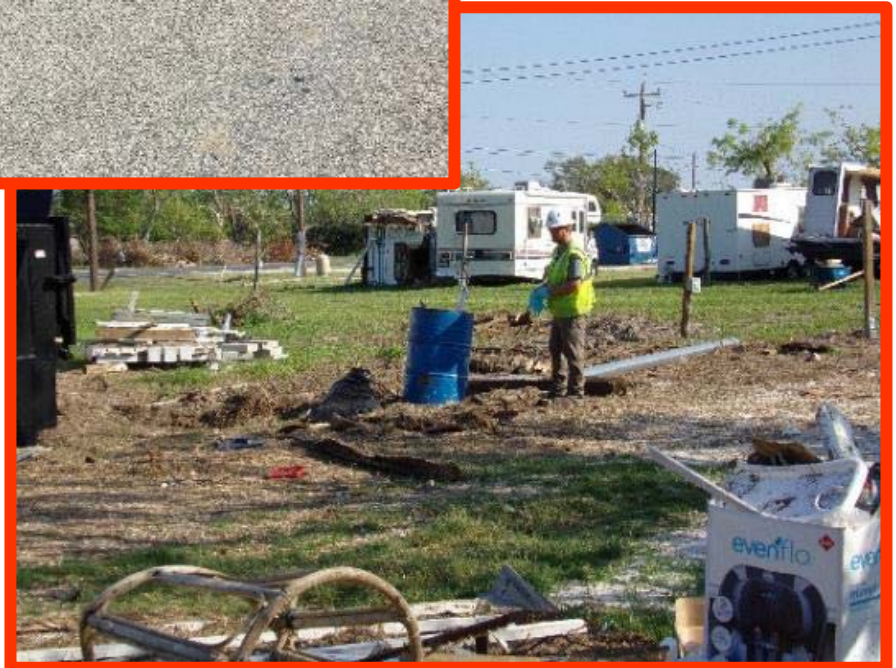
Port Arthur Orphan  
Container Recovery



Corpus Christi Orphan Container  
Recovery – Port Aransas



Alpha Branch – EPA OSCs  
Sampling Drums at Pad in Level B





# Debris – Landfill / Staging Area Observers



# Community Liaisons





# Superfund Sites

**San Jacinto Pits:  
Completed repairs on  
the western portion of  
the southern berm.**



**Responsible Party  
contractors began  
manual probing of  
underwater cap  
with oversight by  
EPA Dive Team  
representative at  
the San Jacinto  
Waste Pits.**

